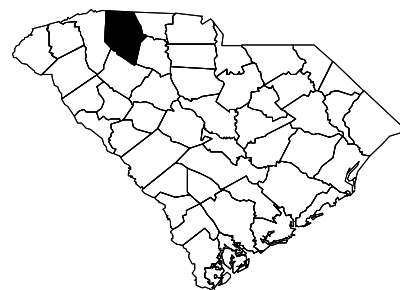


IMPACT OF CHRONIC CONDITIONS SPARTANBURG County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Spartanburg county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Spartanburg county's population is similar to the state's. The majority (39%) of the population in Spartanburg county are between the ages 18-44, and there are more females (51%) than males (49%). However, Spartanburg county has a lower minority population (24%) than the state (32%). When adults in Spartanburg county were asked about their general health status, 87.6% reported having excellent, very good, or good health in 2002 (SC was 83%).

	SPARTANBURG COUNTY	STATE
Population size	259,322	4,107,183
Age distribution (%)		
<18	23	24
18-44	39	40
45-64	25	24
65-84	11	11
85+	2	1
Race (%)		
White	77	68
Black & Other	24	32
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Spartanburg county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	26	27
Sedentary lifestyle	41	42
Overweight	62	60
High Cholesterol	6	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	25.8	.	.	.	.	28.4
Number of hospitalizations	247	105	142	111	136	5,173
Standard rate of hospitalizations (per 100,000)	92	202	65	89	90	125
Median age of hospitalized patients	68	58	68	63	68	63
Total cost of hospitalization (\$)	5,315,600	2,790,300	2,525,300	2,453,700	2,861,900	79,350,400
Average length of hospital stay (days)	6	7	6	6	6	5
Number of ED visits	449	242	207	192	257	7,306
Standard rate of ED visits (per 100,000)	167	437	96	150	180	175
Median age of ED patients	48	48	53	48	53	53
Total cost of ED visits (\$)	279,900	133,600	146,300	123,000	156,900	5,902,800
Number of deaths*	18	4	14	4	14	366
Standard death rate (per 100,000)*	7	12	7	5	8	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.03	.	.	.	.	5.13
Number of hospitalizations	1,531	215	1,316	925	606	30,831
Standard rate of hospitalizations (per 100,000)	566	474	585	779	394	734
Median age of hospitalized patients	68	68	63	68	68	68
Total cost of hospitalization (\$)	52,878,100	6,387,600	46,490,500	33,759,800	19,118,300	969,122,700
Average length of hospital stay (days)	5	5	5	5	6	5
Number of ED visits	106	17	89	63	43	2,754
Standard rate of ED visits (per 100,000)	39	36	40	53	28	66
Median age of ED patients	63	68	58	58	73	63
Total cost of ED visits (\$)	372,100	63,900	308,200	248,500	123,600	10,617,900
Number of deaths*	650	121	528	324	326	9,723
Standard death rate (per 100,000)*	250	299	241	320	200	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	1.33	.	.	.	.	2.38
Number of hospitalizations	1,256	192	1,064	605	651	14,317
Standard rate of hospitalizations (per 100,000)	470	420	476	541	418	351
Median age of hospitalized patients	68	68	73	68	73	73
Total cost of hospitalization (\$)	27,456,200	4,756,200	22,700,000	12,702,900	14,753,300	279,819,700
Average length of hospital stay (days)	6	7	6	6	6	6
Number of ED visits	149	25	124	62	87	2,732
Standard rate of ED visits (per 100,000)	56	59	56	54	55	67
Median age of ED patients	73	68	83	68	78	73
Total cost of ED visits (\$)	472,300	61,200	411,100	188,000	284,300	6,322,600
Number of deaths*	197	37	160	82	115	2,816
Standard death rate (per 100,000)*	76	93	73	89	71	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	830	156	674	312	518	14,524
Standard rate of hospitalizations (per 100,000)	309	306	307	281	352	351
Median age of hospitalized patients	63	53	68	68	63	58
Total cost of hospitalization (\$)	10,107,400	1,825,900	8,281,500	3,739,300	6,368,100	198,700,700
Average length of hospital stay (days)	5	5	5	4	5	5
Number of ED visits	1,988	764	1,224	849	1,139	37,517
Standard rate of ED visits (per 100,000)	762	1,247	608	675	849	914
Median age of ED patients	33	28	38	33	38	33
Total cost of ED visits (\$)	1,469,600	553,800	915,800	640,100	829,500	30,607,600
Number of deaths*	162	16	146	80	82	1,891
Standard death rate (per 100,000)*	62	40	66	83	52	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	6.06	.	.	.	.	8.33
Number of hospitalizations	433	153	280	192	241	8,652
Standard rate of hospitalizations (per 100,000)	161	278	130	156	169	207
Median age of hospitalized patients	53	53	60	53	58	53
Total cost of hospitalization (\$)	7,987,800	2,264,200	5,723,600	3,587,500	4,400,300	127,167,500
Average length of hospital stay (days)	6	5	6	7	5	6
Number of ED visits	520	259	261	194	326	9,316
Standard rate of ED visits (per 100,000)	194	489	123	155	230	224
Median age of ED patients	58	58	55	53	58	53
Total cost of ED visits (\$)	484,700	228,200	256,500	187,000	297,700	8,261,100
Number of deaths*	64	14	50	28	22	1,114
Standard death rate (per 100,000)*	24	35	22	30	16	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,785	407	1,378	710	1,075	24,644
Standard rate of hospitalizations (per 100,000)	665	786	623	610	747	591
Median age of hospitalized patients	63	50	63	68	58	58
Total cost of hospitalization (\$)	45,801,600	9,207,400	36,594,200	21,799,600	24,002,000	605,119,300
Average length of hospital stay (days)	6	5	6	7	5	6
Number of deaths*	569	111	457	305	264	8,320
Standard death rate (per 100,000)*	213	278	204	277	170	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	150	31	119	84	66	2,113
Standard rate of hospitalizations (per 100,000)	56	67	53	71	43	51
Median age of hospitalized patients	68	63	68	68	70	68
Total cost of hospitalization (\$)	4,940,600	951,000	3,989,600	3,001,100	1,939,500	80,248,200
Average length of hospital stay (days)	8	8	8	8	8	10
Number of deaths*	48	16	32	29	19	807
Standard death rate (per 100,000)*	19	40	15	28	12	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	96	16	80	.	96	1,465
Standard rate of hospitalizations (per 100,000)	36	33	36	.	65	35
Median age of hospitalized patients	68	60	68	.	68	63
Total cost of hospitalization (\$)	1,451,600	241,700	1,209,900	.	1,451,600	21,213,600
Average length of hospital stay (days)	3	3	3	.	3	3
Number of deaths*	51	15	35	1	50	630
Standard death rate (per 100,000)*	19	36	16	1	33	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	1	13	.	14	222
Standard rate of hospitalizations (per 100,000)	5	2	6	.	10	5
Median age of hospitalized patients	38	73	38	.	38	48
Total cost of hospitalization (\$)	287,300	49,000	238,300	.	287,300	3,668,300
Average length of hospital stay (days)	3	9	3	.	3	4
Number of deaths*	2	1	-	3	1	26
Standard death rate (per 100,000)*	5	1	-	2	2	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	200	32	168	122	78	2,154
Standard rate of hospitalizations (per 100,000)	73	76	74	103	51	51
Median age of hospitalized patients	68	70	68	68	68	68
Total cost of hospitalization (\$)	6,297,700	900,400	5,397,300	3,719,100	2,578,600	70,474,400
Average length of hospital stay (days)	8	9	8	8	8	9
Number of deaths*	171	28	143	115	56	2,481
Standard death rate (per 100,000)*	63	69	63	100	37	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	101	20	81	101	.	1,353
Standard rate of hospitalizations (per 100,000)	36	40	35	83	.	32
Median age of hospitalized patients	63	60	68	63	.	68
Total cost of hospitalization (\$)	1,896,900	385,200	1,511,700	1,896,900	.	24,726,200
Average length of hospital stay (days)	3	3	3	3	.	4
Number of deaths*	29	6	23	29	.	478
Standard death rate (per 100,000)*	11	17	10	31	.	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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